

  
**भारत का राजपत्र**  
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सं० 9] नई दिल्ली, शनिवार, फरवरी 28, 1981 (फाल्गुण 9, 1902)  
 No. 9] NEW DELHI, SATURDAY, FEBRUARY 28, 1981 (PHALGUNA 9, 1902)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
 (Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III--खण्ड 2

[PART III--SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
 [Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
 PATENTS AND DESIGNS

Calcutta, the 28th February 1981

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section of the Act.

22nd January 1981

- 70/Cal/81. Montedison S.p.A. Method of recovering in activated form the catalyst for the terephthalic acid synthesis.
- 71/Cal/81. P. A. Management Consultants Limited. Optical data storage. (January 24, 1980).
- 72/Cal/81. Westinghouse Electric Corporation. Thyristor with continuous emitter shunt.
- 73/Cal/81. Sibirsky Metallurgicheskoy Institut Imeni Sergo Ordzhonikidze. Tuyere for injecting powdered products into molten metal.
- 74/Cal/81. Sintermetallwerk Krebssee GMBH. A process for the manufacture of a metallic sintered lapped part and a machine suitable to perform the process.
- 75/Cal/81. The Fertilizer (Planning & Development) India Limited. Improved process for the production of by product gypsum with good filtration properties.

477 G.I./80

24th January 1981

- 76/Cal/81. A. Alim Taheara paddling pump set.
- 77/Cal/81. The Pittsburg & Midway Coal Mining Co. Short residence time coal liquefaction process including catalytic hydrogenation.
- 78/Cal/81. The Pittsburg & Midway Coal Mining Co. Controlled short residence time coal liquefaction process.
- 79/Cal/81. Societe Dite: Societe Job Anciens Establishments Bardou Job ET Pauilhac. Process for producing a filtering structure in particular for cigarette filters.
- 80/Cal/81. Italtel Societa Italiana Telecomunicazioni S.p.A. Circuit arrangement for measuring the electric characteristics of user telephone lines.

The 27th January 1981

- 81/Cal/81. Metallgesellschaft A. G. Process of thermally treating bulk material in a rotary kiln.
- 82/Cal/81. Sulzer Brothers Limited. A method of producing magnesium from magnesite or dolomite.
- 83/Cal/81. Diamond Shamrock Corporation. Packed cathode bed for electrowinning metals from fused salts. (January 28, 1980).
- 84/Cal/81. Shell Internationale Research Maatschappij B.V. Process for the preparation of hydrocarbons and hydrocarbons so prepared.

85/Cal/81. Iasflex AG. Process for producing water-exchanging, non-toxic polymer material based on acrylamide/N, N'-methylene-bisacrylamide.

86/Cal/81. Eastern Scales Private Limited. A coin-freed weighing and ticket issuing machine.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

21st January 1981

9/Mas/81. Electro-Photnoics India Pvt. Ltd. An improved optical system for projectors.

10/Mas/81. Mrs. S. Swaminathan & R. Saraswathi. A composition for chemically brightening/smoothing (polishing)/etching metals and metallic alloys.

23rd January 1981

11/Mas/81. T. P. George. A device for flushing the pan and bowl of lavatories.

#### ALTERATION OF DATE

148440.

5/Bom/79. Ante-dated 24th November 1976.

148445.

190/Del/78. Ante-dated 23rd December, 1975.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS : 79.

Int. Cl. : B 42 f 9/00.

148440

A DEVICE FOR PUNCHING AND FILING PAPERS IN A FILE FOLDER

*Applicant & Inventor:* JACOB VARUGHESE, OF 75, LAXMI BUILDING, SIR PHIROZSHAH MEHTA ROAD, FORT, BOMBAY-400 001, MAHARASHTRA, INDIA.

Application No. 5/BOM/1979 filed JANUARY 6, 1979.

Patent of Addition to 135508 and divided out of 146598.

Division of Application No. 440/Bom/76 filed November 24, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims

A device for punching and filing papers as claimed in any one of the claims 1 to 12 of Indian patent specification No. 135508, wherein the punch plate is a hollow container with the punch hole provided in the base thereof and having a detachable plate which when removed allows the contents of the hollow container to be emptied.

Comp. Specn. : 6 Pages.

Drawing : 1 sheet.

CLASS 131B<sub>1</sub>.

148441.

Int. Cl.-B26d 1/12, 7/26, E21c 25/06.

SWIVEL MECHANISM FOR KERF-CUTTING MACHINES.

*Applicant:* VOEST-ALPINE, AKTIENGESELLSCHAFT, OF A-1011 VIENNA, FRIEDRICHSTRASSE 4, AUSTRIA.

*Inventors:* GOTTERIED SIEBENHOFER, MANFRED MULNER AND WALTER ARBEITHUBER.

Application No. 1607/Cal/77 filed November 15, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A swivel mechanism for kerf-cutting machines comprising a cutter arm carrying the cutting tool, in which mechanism the cutter arm is pivoted to a swivel head on a horizontal axis for a vertical angular movement, said swivel head is pivoted on an approximately vertical axis to a bearing disc, which is rigidly connected to the frame of the cutting machine and has an outer annular zone that is engaged on both sides by sliding surface of the swivel head, the swivel drive means being formed of a pinion and rack which is coaxial with the bearing disc, and the outer diameter of the bearing disc exceeding the pitch diameter of the pinion, characterized in that the pinion (19) and the bearing disc (17) are screwed to a pedestal (2) rigidly connected with the frame of the cutting machine, the pinion being arranged immediately above the bearing disc (17), and in that the swivel drive means comprises two racks (25, 26) which are mounted in the swivel head (1) for movement in mutually opposite directions parallel to the vertical centre plane (27) of the cutter arms (9) each of said racks (25, 26) being connected at its ends with two piston members (28, 29 and 30, 31 resp.) which are subjected to hydraulic pressure at one end only, and the working chambers (32, 33, 34, 45), of these pistons being adjoined by the end faces of the pistons opposite to the rack, and each working chamber (32, 33, 34, 35) of the piston member actuating one rack being in hydraulic communication with the opposite working chamber of the piston member actuating the other rack.

Comp. Specn. 10 Pages.

Drq. 2 Sheets.

CLASS 98E & G & I.

148442.

Int. Cl.-F24j 3/02.

SOLAR HEAT COLLECTOR.

*Applicant:* CONTRAVFS AG, OF SCHAFFHAUSERS TRASSE 580, 8052 ZURICH, SWITZERLAND.

*Inventors:* RUDOLF HELLFR AND PIRMIN KUHNF.

Application No. 296/Cal/78 filed March 20, 1978.

Convention date February 24, 1978/(07543/78) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A solar heat collector comprising—a liquid inflow conduit and a liquid outflow conduit which are arranged spaced apart from one another, a chamber comprising a front wall made of material which allows solar radiation to pass through it, a rear wall opposite said front wall, and side walls which are made of heat insulating material and which form a framework for supporting the front and rear walls, said inflow conduit and said outflow conduit being embedded within two respective ones of said side walls so as to reinforce them, a plurality of spaced apart interconnection conduits extending between said inflow and outflow conduits such that the interconnection conduits are within said chamber and such that,

in use of the solar heat collector, liquid entering the inflow conduit can pass through the interconnection conduits to the outflow conduit, and receiving means for receiving solar radiation which enters said chamber via said front wall thereof and for causing such received solar radiation to heat said liquid as it passes through the interconnection conduits.

Comp. Specn. 11 Pages. Drg. 3 Sheets.  
CLASS 148B. 148443.

Int. Cl.-G03b 41/00.

A DEVICE FOR MEASURING RESIDUE STRESSES ON METALLIC OBJECTS.

*Applicant:* BHARAT HEAVY ELECTRICALS LIMITED, AT 18-20 KASIBURBA GANDHI MARG, NEW DELHI-110001, INDIA.

*Inventors:* DR. GANAPATHY VENKATARAMAN.

Application No. 63/Del/77 filed January 23, 1978.

Complete Specification left January 24, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

9 Claims.

A device for measurement of residual stresses on metallic objects comprising a camera having a body with suitable slit or opening of desired cross-section capable of directing a conical beam of X-ray light from within on to the metal specimen to be tested, means in the said body having the slit for admitting through a hole therein into the slit the main X-ray beam from a target, said body having the slit being held to a main support capable of sliding on a main frame which is capable of oscillating on its axis, the said main frame also having thereto a pair of X-ray films in sealed manner, said X-ray films being adapted to receive diffracted and focused beams from a calibrated metal foil held to the metal specimen to be tested.

Prov. Specn. 5 Pages. Comp. Specn. 6 Pages. Drg. 1 Sheet.  
CLASS 156B. 148444.

Int. Cl.-F04b 1/00.

A POSITIVE DISPLACEMENT PUMP FOR HANDLING A SUSPENSION OF PARTICLES.

*Applicant:* USS ENGINEERS AND CONSULTANTS, INC., AT 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

*Inventors:* ROBERT MCKENZIE CRANE AND FLETCHER HORTON REDWINE.

Application No. 139/Del/78 filed February 21, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims.

A positive displacement pump for handling a suspension of particles, comprising at least one cylinder, a plunger reciprocable in said cylinder, a stuffing box carried by said cylinder, front and back sets of packing rings within said stuffing box surrounding said plunger, and a flushing apparatus comprising means for introducing flush liquid to said stuffing box at a first location in front of said front set of packing rings to wash particles from said plunger and prevent the particles from being drawn into said packing rings, and means for introducing a smaller volume of flush liquid to said stuffing box at a second location between said front and back sets of packing rings initially at substantially the same pressure as the liquid introduced at the first location, whereby said back set of packing rings initially provides a seal for said plunger, and said front set of packing rings provides a seal for said plunger after the packing rings of said back set wear and commence to leak and thereby create a differential in the pressure of the flushing liquid introduced at the two locations.

Comp. Specn. 8 Pages. Drg. 1 Sheet.

CLASS 40A. 148445.

Int. Cl.-B01j 11/06.

PROCESS FOR PREPARING AN OXIDATION CATALYST FOR OXIDATION OF OLEFINS.

*Applicant:* THE STANDARD OIL COMPANY, AT MIDLAND BUILDING, CLEVELAND, OHIO 44115, UNITED STATES OF AMERICA.

*Inventors:* ROBERT KARL GRASSELLI AND DEV DHANARAJ SURESH.

Application No. 190/Del/78 filed March 14, 1978.

Division of Application No. 2377/Cal/75 filed December 23, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims. No drawings

A process for preparing an oxidation catalyst having the formula  $A_xC_yD_zCr_nBi_mMoO_{12}O_x$  wherein A is an alkali metal, Tl, In, Ag, Cu Sn, W, rare earth metal or mixture thereof; C is a Group IIA or group IIB element, manganese or mixture thereof; D is Ni, Co, P, As, Sb, Ge, B, or mixture thereof; and wherein a is 0-4; c is 0.5 to 26; d is 0-2; e and f are 0.1-12 and x is the number of oxygens required to satisfy the valence requirements of the other elements present, which comprises in a known manner co-precipitating soluble salts of said elements in an aqueous solution drying the precipitate and thereafter heat treating in air to form the oxidation catalyst.

Comp. Specn. 14 Pages. Drgs. Nil.  
CLASS 62C<sub>2</sub> 148446.

Int. Cl.-C09b 67/00.

DYESTUFF FORMULATIONS, A PROCESS FOR PREPARING THE SAME AND A PROCESS FOR DYEING USING THE SAID FORMULATION.

*Applicant:* BAYER AKTIENGESELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

*Inventors:* WINFRIED KRUCKENBERG AND KARL HEINZ SCHUNDEHUTTE.

Application No. 316/Del/78 filed May 1, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

25 Claims.

A homogenous dyestuff formulation free of organic solvent obtained without fine comminution consisting essentially of an organophilic dyestuff free from ionic groups other than COOH and having a melting point of less than 140°C admixed with an emulsifying polar/non-polar compound of the formula I.

$A-(B)_n-(D)_m$

in which A is a non-polar radical with at least 8 consecutive carbon atoms; B is a bridge member; n is 0 to 5; D is a hydrophilic group; and m is 1 to 5.

Comp. Specn. 61 Pages. Drgs. 16 Sheets.  
CLASS III. 148447.

Int. Cl. B 64 C 11/02.

A DEVICE FOR DISPENSING FIXED LENGTHS OF ADHESIVE SEALING TAPES HAVING EMBOSSED OR PRINTED THEREON MATTER FOR CONTAINERS, CARTONS AND THE LIKE.

*Applicants:* AROUND MIRANDA 4, VISHWALAXMI APARTMENTS, PLOT NO. 14, GOKHALE ROAD, DHANUKARWADI, KANDIVILI (WEST) BOMBAY-400 067 MAHARASHTRA STATE INDIA.

Application No. 162/BOM/1977 filed MAY 5, 1977.

Complete specification left on 4th August, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

#### 4 Claims.

1. A device for dispensing fixed lengths of adhesive sealing tape having embossed or printed thereon matter for containers, cartons and the like comprising (i) a cover plate forming a casing for the device, the top surface of the cover plate also serving as a work surface; (ii) a spring loaded lever arm projecting out at the top of the device through a slit on the said cover plate; (iii) a roller connected to the projected end of the said lever arm; (iv) a spring loaded turret mechanism having a plurality of arms adapted to rotate by a system of levers and connected to the said lever arm; (v) a plurality of anvils and tape holding heads spaced uniformly on the arms of the said turret; (vi) an adhesive sealing tape dispensing spool mounted inside the device and the tape from the spool being wound around the said tape holding heads and over the said anvils; (vii) a spring loaded cutting hammer actuated by the lever arm for cutting lengths of the said tape between two anvils and (viii) a lifting lever for lifting the said tape holding head towards the said roller on the said lever arms; the said lifted tape holding head having adhered thereto a portion of the said tape cut-off which is held between the said lifted tape holding head and the said roller; the said cut-off portion of the said tape being used for sealing and/or labelling flaps of cartons or containers and the like when the said carton or container is slid along the work surface against the lever arm.

Complete Specn. 10 pages, drawing sheets 8.

Provisional Specn. 5 pages, drawings nil.

CLASS 68 B. 148448.  
Int. Cl. HO 2 1 3/00.

A DEVICE FOR THE PROTECTION OF ELECTRICAL, ELECTRONIC AND SOLID STATE DEVICES FROM OVER CURRENTS DUE TO FAULTS.

Applicants: JYOTI LIMITED, P.O. CHEMICAL INDUSTRIES, INDUSTRIAL AREA, BARODA-390003, INDIA.

Inventors: TIRUMALE RANGASWAMY MUKUNDAN.

Application No. 205/Bom/77. Pbst dated to 18, August, 1978.

Complete left after provisional June 13, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

#### 7 Claims.

1. A device for the protection of electrical, electronic and solid state apparatus and equipment from over currents due to faults comprising a load carrying thyristor connected between a Direct Current power source and the equipment to be protected, said load carrying thyristor being connected to a sensing and commutating circuit, said sensing circuit comprising a current transformer which senses the discharge of a capacitor connected across the current input to the equipment and said capacitor adapted to discharge only when an abnormally large current surge passes there across; said sensing circuit to be adapted to trigger a second thyristor which in turn commutates the said load carrying thyristor to shut off said abnormally large current surge to the input of the said apparatus or equipment.

Prov. Specn. 3 pages drawing 1 Sheet.

Comp. Specn. 8 pages drawing 1 sheet.

CLASS 146 C 148449.  
Int. Cl.-G 01 n 9/00.

COMPUTER CIRCUIT TO ANALYSE HUMIDITY CONDITIONS IN A HOT AIR DRYER TO DIRECTLY INDICATE DEVIATION FROM OPTIMUM HUMIDITY AND AN INSTRUMENT INCORPORATING SAID CIRCUIT.

Applicants: AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION; POLYTECHNIC P.O. AHMEDABAD-380 015, GUJARAT, INDIA.

Inventors: (1) VYOMESH INDRAVADAN JOSHI, (2) MANSUKHLAL HANSRAJBHAI DHINGANI, (3) JAY-VANT SHANILAL PARAJIA AND (4) MONSINGH RATNA PRABHU.

Application No. 313/1977 filed OCT. 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

#### 10 Claims.

A computer circuit to analyse humidity conditions in a hot air dryer and to directly indicate deviation from optimum humidity comprising a modified wheatstone bridge in which thermistors for wet bulb and dry bulb temp sensing are mounted on two adjacent arms, a fixed resistance of a value equal to  $b/a$  in series with the dry bulb thermistor, is connected in series with the dry bulb thermistor and the other two arms carry fixed resistances according to power ratings of said thermistors, a and b being constants, being of known specific value, for the thermistors used in the two arms

Comp. Specn. 13 pages. Drawing sheet 1.

Prov. Specn. 8 pages Drawing sheets 6.

CLASS : 190 C+D [XLIV(4)]. 148450.  
Int. Cl.-H 02 n 4/00.

FLUID DRIVEN POWER PRODUCING APPARATUS

Applicant & Inventor: DANIEL JACOB SCHNEIDER 608 DURANGO CIRCLE SOUTH, IRVING TEXAS 75062 UNITED STATES OF AMERICA.

Application No. 335/Bom/77 filed December 2, 1977.

Patent of Addition to 143961.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

#### 41 Claims.

A fluid driven power producing apparatus for converting its kinetic energy into mechanical energy, as claimed in claim 1 of the complete specification filed in connection with my Indian Patent No. 143961, which comprises:

- (a) a housing;
- (b) two substantially parallel axles detachably supported by said housing and capable of rotation within the housing;
- (c) two substantially parallel wheels positioned on each of said axles and the wheels on one axle being in substantially the same vertically extending plane as the wheels on the other axle;
- (d) two belts, one of which connects the two wheels in one plane and the other belt connects the other two wheels in the other plane; and
- (e) a series of foils, fluid dynamically designed, to have a high lift configuration, each of which is detachably connected at the opposite ends thereof respectively to the two belts, characterised in that (d) and (e) taken together form two stages, a first drive stage and a second return stage of said apparatus, and further wherein the foils are fluid dynamically designed spaced and oriented within the apparatus such that all of the flow of fluid entering the second stage on operation of the apparatus is made up of fluid which has interacted dynamically with the foils of the first stage.

Comp. Specn.—37 pages. Drawings—4 sheets.

Ind. Class : 98-I. 148451.  
Int. Cl. : F 24 j 3/00.

IMPROVEMENTS IN OR RELATING TO FLAT PLATE SOLAR HEAT COLLECTOR

*Applicants & Inventors:* (1) PRIYAL KHANDERAO KULKARNI and (2) VIJAY PRIYAL KULKARNI, MOHAR, 64/17, ERANDAVANE, PUNE-411 004, MAHARASHTRA, INDIA.

Application No. 329/Bom/78 filed : November 13, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

2 Claims.

A flat plate solar heat collector for heating any liquid by solar insolation, the collector comprising a trough formed of asbestos cement, the base of the said trough having one or more depressions in its inner surface, forming horizontal shallow channels, the said channels joining at the lower end to form one manifold and joining at the upper end to form another manifold, the said manifolds being connected to the liquid inlet and the outlet openings respectively, the base having a groove on the inside periphery for insertion of a sealing cord of resilient material, an externally black painted metal sheet placed over the sealing cord covering the channels, manifolds, the edges of the said metal sheet being press fitted by clamps or providing a liquid tight seal and to provide shallow and wide passages for liquid between the asbestos cement surface on one side and metal sheet on the other, the sides of the trough terminate to form a flat rim all around, the said flat rim having a groove all along and filled with sealing material, a glass sheet placed over the flat rim and a layer of thermal insulation covering the rear side of the trough to minimise heat losses.

Comp. Specn. : 11 Pages.

Drawing-3 Sheets.

CLASS 187 E2 & E4.

148452.

Int. Cl.-H 04 r 1/00.

AN IMPROVED ELECTROMECHANICAL TRANSDUCER.

*Applicant:* PHILLIPS INDIA LIMITED, OF SHIVSAGAR ESTATE, BLOCK "A", DR. ANNIE BESENT ROAD, BOMBAY-400 018, MAHARASHTRA, INDIA.

*Inventors:* (1) SHRI RATNAKAR SUNDERRAO PRADHAN (2) SHRI VIDYUTKUMAR MADHO BAPAT.

Application No. 67/Bom/79 filed March 5, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

4 Claims.

An improved electromechanical transducer, wherein the gap between the coil and the pole pieces is filled with a stable heat conducting viscous fluid partly or in full.

Comp. Specn.—4 pages.

Drawing—1 sheet.

CLASS 147B

148453.

Int. Cl. G 11 b 15/18.

A TAPE TRANSPORT SYSTEM FOR TAPE PLAYERS.

*Applicant & Inventor:* GEORGE THANGIAH, 16, ST. MARK'S ROAD, BANGALORE-560001, KARNATAKA.

Application No. 75/Mas/78 filed June 8, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims.

A tape transport system for tape players incorporating a capstan and take-up mechanism, characterised by a friction-wheel coupled to a manually operable crank; and a governor coupled to the said capstan and take-up mechanism, the said governor having spring-loaded, weighted arms provided with friction-pads urged, under spring-tension, against the friction-wheel, the centrifugal force set up by the said arms and the spring-tension thereof being in opposition, such that whenever the speed of the friction-wheel exceeds a predetermined value, the said arms along with the friction-pads tend to extend away from the friction-wheel under the said centrifugal force resulting in slip between the friction-pads and the friction-wheel,

thus maintaining the speed of the governor substantially constant, despite any speed of the friction-wheel equal to, or above, the said predetermined value and thereby also maintaining the speed of the capstan substantially constant.

CLASS 136M & F.

148454.

Int. Cl. B 29 h 17/02.

A METHOD OF MANUFACTURE OF A TYRE MOULD AND A TYRE MOULD MANUFACTURED THEREBY.

*Applicant & Inventor:* KANDATHIL MAMMEN MAMMEN, 28 G. N. CHEITY ROAD, THYAGARAYA NAGAR, MADRAS-600 017, TAMIL NADU.

Application No. 91/Mas/78 July 6, 1978.

Complete specification left August 19, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims.

A tyre mould characterised by a circular recess provided within the mould body; a plurality of segments, each being part of the desired tread pattern, accommodated within the recess, in close juxtaposition, so as to give rise to the tread pattern, the segments being fastened in position, within the recess, to the mould body.

(Prov.—4 pages; Com.—6 pages; Drwgs.—3 sheets).

CLASS 53 C & 127 I.

148455.

Int. Cl. B 62 m 9/08 & F 03 g 5/00.

A DEVICE FOR CONVERTING A BICYCLE INTO A PRIME MOVER.

*Applicant:* TUBE INVESTMENTS OF INDIA LTD., 28, NORTH BEACH ROAD, MADRAS-600 001, TAMIL NADU.

*Inventors:* MURU GAPPA VELLAYAN SUBBIAH & DATTADA PANDURANGA MOHAN RAO.

Application No. 92/Mas/78 filed July 6, 1978.

Complete specification left June 16, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims.

A device for converting a bicycle into a prime mover comprising a chain wheel fixable to the driven wheel of a bicycle; a framework for mounting the driven member, the said framework being attachable to the bicycle so as to support the driven member and also to withstand the drive thrust and turning moments set up during operation of the driven member; a sprocket fixable to the driven part of the said member and driveably connectable by a chain to the said chain wheel; and a tensioner attached to the framework, said tensioner being provided with at least one idler for tensioning the chain, the arrangement being such that the driven member receives power whenever the driven wheel of the bicycle is raised above the ground and rotated by pedalling.

(Prov.—5 pages; Com.—8 pages; Drwg.—1 sheet).

CLASS—129 M & 86E.

148456.

Int. Cl. A 47 b 57/22.

A METALLIC LIGHTWEIGHT STRUCTURAL MEMBERS.

*Applicant:* TUBE INVESTMENTS OF INDIA LIMITED, 28, NORTH BEACH ROAD, MADRAS-600 001, TAMIL NADU.

*Inventors:* MURUGAPPA VELLAYAN SUBBIAH AND DATTADA PANDURANGA MOHAN RAO.

Application No. 115/Mas/78 filed July 31, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims.

A metallic lightweight structural member such as herein described comprising a metallic plate having a plurality of punched holes thereon, the said plate being formed into the desired section constituting the said structural member, characterised in that the said holes are located as close to each other as possible and cover substantially the entire surface of the said plate, so as to give rise to a honeycomb configuration.

Com.—6 pages; Drawgs.—1 sheet.

CLASS 64A 148457.

Int. Cl. H 01 h 85/22.

A FUSE CARRIER.

*Applicant & Inventor:* CALASTHRY ARUNACHALAM KANDASWAMY, OF NO. 1-58, MAIN ROAD, MEDCHAL, HYDERABAD, ANDHRA PRADESH.

Application No. 123/Mas/78 filed August 9, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims.

A fuse carrier comprising a fuse contact block carrying a fuse therein; and series limb constituting a neon lamp and a resistor of high ohmic value connected in parallel with the block, such that the lamp glows whenever the block is on open circuit, the said carrier incorporating a chamber disposed under the block, the chamber accommodating the said limb characterised in that a supporting member is disposed between the said limb and the block so as to prevent the block from coming into contact with the lamp; and the edge of the fuse carrier is extended sufficiently beyond its body.

(Com.—7 pages; Drawgs.—1 sheet).

CLASS 63 1. 148458.

Int. Cl. H 01 f 7/170.

AN ELECTROMAGNETIC DEVICE FOR PRODUCING A RECIPROCATING DRIVE.

*Applicants & Inventors:* COIMBATORE SUBRAMANIAM MEENAKSHI SUNDARAM & KUMAR SALIG RAM, OF ELPAAS CORPORATION, COIMBATORE—641012, TAMIL NADU.

Application No. 124/Mas/78 filed August 14, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims.

An electromagnetic device for producing a reciprocating drive comprising at least one electromagnet energised by an alternating current source; at least one movable armature for being drawn towards the electromagnet in its energised state characterised by a diode connected in between the said source and the input to the said electromagnet so as to conduct only during one set of half-cycles of the said source; and means, herein defined, for drawing the armature away from the electromagnet in its de-energised state, whereby the armature is constrained to reciprocate under the resulting alternating forces acting thereon.

(Com.—9 pages; Drawgs.—2 sheets).

CLASS 64 A. 148459.

Int. Cl. H 01 h 9/08.

IMPROVEMENTS IN OR RELATING TO FUSE BOXES.

*Applicant & Inventor:* CHINNAPPA ARJUNA RAJA, OF 224, P.S.P. STREET, RAJAPALAIYAM CITY—626117, TAMIL NADU.

Application No. 2/Mas/79 filed January 2, 1979.

Complete specification filed March 24, 1980.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims.

A fuse box comprising a fuse carrier with a plurality of fuse wires disposed thereon, at least one end of each said fuse wire being electrically separated from other fuse wires; a fuse socket carrying electrical terminals and adapted to receive said fuse carrier; and rotating means to electrically connect or disconnect each said fuse wire to said electrical terminals one at a time.

(Prov.—5 pages; Com.—8 pages; Drawgs.—1 sheet).

CLASS : 39D, 35C. 148460.

Int. Cl. C01f 11/00.

"A PROCESS FOR SEPARATING CALCIUM CARBONATE FROM DOLOMITE USUALLY REFERRED TO AS DOLOMITIC LIMESTONES."

*Applicants:* THE DIRECTOR GENERAL, CEMENT RESEARCH INSTITUTE OF INDIA, M-10, SOUTH EXTENSION PART II, NEW DELHI-110 049.

*Inventors:* ARJAN KUMAR CHATTERJI, DOCHIBHOTLA VENKATA RAMANA, VELLAMBI NATRAJAN VISHWANATHAN, KAMAL KUMAR & SHIBAN JI RAINA.

Application No. 523/Del/78 filed on 17th July, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims.

A process for separating calcium carbonate from dolomite usually referred to as dolomitic limestones which comprises in crushing the ore, subjecting the crushed ore to the step of partial calcination by heating at a temperature between 700 to 850°C, preparing a slurry of the partially calcined material, subjecting the slurry to the step of carbonation by passing carbon dioxide gas through the slurry and at a controlled pressure between 4 to 4.5 kg/cm<sup>2</sup> to obtain magnesium carbonate and calcium carbonate and, finally, filtering calcium carbonate therefrom.

Provisional Specification 3 pages.

Complete Specification 8 pages.

CLASS 5D, 173 B. 148461.

Int. Cl. B05b-3/12, 7/32.

"SPRAYING APPARATUS EMPLOYING A SKIRT STRUCTURE".

*Applicants:* A. C. SPRAYERS INC., an Ontario Corporation of 212 James Street South, Hamilton, Ontario, Canada L8P 3B1.

*Inventors:* JONES DEREK.

Application No. 526/Del/78 filed on 18th July 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

12 Claims.

Spraying apparatus employing a skirt structure, the said apparatus comprising a sprayer boom frame, said skirt structure being a bag skirt structure which is carried by the frame and when inflated extends downwards therefrom to have its smoothly contoured convex lowermost portion in close proximity to the ground, the bag skirt structure forming a skirt enclosure which is open to the ground, means for injecting air under pressure into the bag skirt structure interior and into the skirt enclosure whereby the bag skirt structure is inflated and the boom and the skirt structure is supported above the ground and moved over the ground and over a growing crop with a minimum of damage thereof, and dispensing means mounted on the boom frame to deliver spray material to the skirt enclosure, whereby such spray material will be confined within the skirt enclosure during travel of the spraying apparatus over the area to be sprayed.

Complete Specification 17 pages and Drawing 4 Sheets.

## CLASS 32A.

148462.

(3)

Int. Cl. C09. b. 29/00.

"PROCESS FOR THE PREPARATION OF NEW YELLOW TO SCARLET AZO CATIONIC DYES FOR APPLICATION TO POLYACRYLONITRILE FIBRES".

*Applicants:* COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110 001, India.

*Inventors:* Nagaraj Ramanuj Ayyangar, & Ish Kumar Khanna.

Application No. 558/Del/78 filed on 29th July 78.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## (4 Claims)

A process for the preparation of new yellow to scarlet azo cationic dyes suitable for application to polyacrylonitrile fibres of general formula of Fig. 1, comprising reacting diazotized p-amino-phenacylammonium chloride of formula of Fig. 2 with a compound of formula RX, and quaternizing the reaction product by condensation with aqueous tetramethylamine at 25-45°C. wherein R represents an aromatic or secondary amine radicals of formulae of Figs. 3, 4, 5, 6, naphthalene radicals of formulae of Figs. 7, 8 and 9 and aliphatic or heterocyclic radicals with reactive methylene groups of formulae of Figs. 10, 11, 12, 13, 14, 15, 16, 17 and 18 and R represents methyl, ethyl or forms with N-acyridino radical and X stands for a reactive hydrogen atom.

Complete Specification 7 pages and Drawing 2 Sheets.

## OPPOSITION PROCEEDINGS

The opposition entered by Pulling & Lifting Machines Private Limited to the grant of a patent of application No. 139975 made by Kanak Engineers Private Limited as notified in Part-III, Section 2 of the Gazette of India, dated the 26th March, 1977 has been dismissed and a patent has been ordered to be sealed on the application.

## CORRECTION OF CLERICAL ERRORS UNDER SECTION 78(3)

## (1)

The claim 14 of the Specification of application for Patent No. 147127 (earlier numbered as 239/Cal/78) the acceptance of the complete Specification of which was notified in Part III, Section 2 of the Gazette of India dated the 24th Nov., 1979 has been deleted under Section 78(3) of the Patents Act 1970.

## (2)

Claims 1 to 25 and 55 of the specification of application for Patent No. 147213 (earlier numbered as 1500/Cal/77) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated 22nd December 1979 have been deleted and the remaining claims have been renumbered under Section 78(3) of the Patents Act, 1970.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy:—

## (1)

147592 147593 147594 147595 147596 147597 147598 147599  
147600 147601 147602 147603 147604 147605 147606 147607  
147608 147609 147610 147611 147612 147613 147614 147615  
147616 147617 147618 147619 147620 147621 147622 147623  
147624 147625 147626 147627 147628 147629 147630 147631  
147632

## (2)

147633 147634 147635 147636 147637 147638 147639 147640

147641 147643 147645 147646 147647 147648 147649 147650  
147651 147652 147653 147654 147655 147656 147657 147658  
147659 147660 147661 147662 147663 147664

## PATENTS SEALED

146854 147088 147191 147215 147263 147282 147283 147306  
147320 147328 147349 147358 147367 147368 147369 147396  
147397 147398 147399 147407 147430

## REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests:—

102292 103902 106211 110116 110536 113986 113987 114048  
114802 118074 119115 119314 121490 135137 135138 136495  
135656—M/s. Appleton Papes Inc.

## PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following is the list of Patents deemed to have been endorsed with the words "Licences of right" under the provisions of Section 87 of the Patent Act, 1970. The dates in the crescent brackets are the dates of Patents.

No.	Title of the invention
140839 (20-9-73)	A process for preparing an aminonicotinonitrile.
141239 (23-7-75)	Method of producing biologically active carbamate or urea composition.
141280 (5-12-74)	Method of preserving a vendible product from attack by pest rodents.
141314 (29-7-75)	Process of preparation of pyridoxine monoester salts.
141371 (23-7-75)	A process for preparing a new antibiotic substance.
141386 (16-7-75)	A process for the manufacture of 11-epi-prostanolic acid derivative.
141610 (1-3-75)	Process for preparation of benzobicycloalkene amine.
141623 (7-8-75)	Process for detoxifying nutrient plant material containing saponin.

## RENEWAL FEES PAID

103067 103725 103780 103795 103912 103923 103932 104043  
104054 104086 104120 104441 104622 104739 108854 109074  
109127 109198 109235 109394 109403 109462 109471 109783  
109815 109938 112675 113518 113745 113761 113857 114246  
114322 114388 114458 114555 114557 114574 114677 114700  
114728 114747 114758 114818 114947 115070 119189 119543  
119783 119784 119801 119882 120007 120032 120059 120246  
120369 121269 122626 123839 124030 125007 125110 125274  
125328 125439 125508 125741 125988 129109 129453 129511  
129741 129854 129855 130121 130172 130175 130270 130282  
130291 130292 130316 130324 130333 130351 130361 130367  
130747 131706 132011 132288 132763 133969 134321 134402  
134445 134453 134457 134538 134540 134541 134542 134551  
134597 134624 134672 134694 134737 134759 134766 134856  
134857 134865 135096 135232 135382 135383 135578 136090  
136212 136463 136757 137127 137297 137351 137421 137556  
137561 137618 137620 137652 137902 137903 137940 137945  
137949 138162 138368 138377 138418 138571 138897 138912  
138971 139038 139272 139303 139454 139720 140040 140325  
140360 140480 140647 140835 140836 140868 140884 140900  
141163 141238 141273 141332 141379 141413 141514 141565



141568 141701 141973 142039 142132 142338 142348 142449  
 142488 142686 142959 143016 143026 143061 143212 143222  
 143273 143303 143322 143325 143403 143537 143544 143546  
 143551 143683 143791 143844 144025 144026 144032 144040  
 144088 144099 144364 144388 144541 144557 144564 144619  
 144657 144713 144976 144992 145182 145361 145529 145610  
 145679 145729 145730 145898 145907 145932 145984 146173  
 146208 146210 146529 146557 146563 146671 146699 146751  
 146830 146866 146867 147018 147037 147080 147083 147118  
 147147 147194 147195 147221 147249 147261 147262 147292

#### CESSATION OF PATENTS

138875 138878 138896 139810 139829 142290 142486 145274  
 145989 146159

#### RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 107299 granted to The Sigma Steel Industries, for an invention relating to "improvements in or relating to a sprayer".

The patent ceased on the 3rd October, 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 4th October, 1980.

Any interested person may give notice of opposition to the restoration by leaving notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 28th April 1981 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 141299 granted to Nuchem Plastics Ltd., for an invention relating to "a process for the manufacture of bety-lated urea formaldehyde resins." The patent ceased on the 3rd November, 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 2nd August, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 28th April 1981 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 141903 granted to "Indian Drugs & Pharmaceuticals Limited for an invention relating to "process for preparing 4- (heteraryl Vinyl) Coumarins." The patent ceased on the 28th October, 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 16th August, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 28th April 1981 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 141939 granted to Nuchem Plastics Ltd., for an invention relating to "a process for the preparation of anti-pyrine." The patent ceased on the 3rd November, 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 16th August, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 28th April 1981 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142379 granted to Tokyo Engineering Co. Ltd., for an invention relating to "a cigarette or a cigar having a self ignition tip". The patent ceased on the 17th December, 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 20th September, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 28th April 1981 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142812 granted to Nuchem Plastics Limited, for an invention relating to "a process for the preparation of phenyl hydrazine." The patent ceased on the 25th November, 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 18th October, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 28th April 1981 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class. 1, No. 149419, United India, 77/5621 Reeharpura, Karol Bagh, New Delhi 110005, Union Territory of India, India, a proprietorship concern, "Dental Hanging Engine", April 5, 1980.

Class. 1, No. 149445, N. V. Philips' Gloeilampenfabrieken, of Emmasingel 29, NL-5611 Eindhoven The Netherlands, "A shaving cutter", April 14, 1980.

Class. 1, No. 149458, Shining Pump Co. of Opposite Ram-leela Bhawan, Saharanpur, Uttar Pradesh, a



- Partnership Firm, "Water lifting Hand Pump". April 16, 1980.
- Class. 1. No. 149459. The Shining Pump Co., of Opposite Ramleela Bhawan, Saharanpur, Uttar Pradesh. A Partnership Firm. "Water lifting Hand Pump". April 16, 1980.
- Class. 1. No. 149462. Regal Industrial Corporation, a partnership firm of Room No. 122, Bharat Industrial Estate, 1st floor, Tokersi Jivraj Road, Sewri, Bombay-400015, Maharashtra. "Briefcase locks". April 17, 1980.
- Class. 1. No. 149515. Triple Pa Trust, an Indian Registered Trust of Model Town, Bul Rajeshwar Road, Mulund, Bombay-400080, Maharashtra, India. "Submersible Monobloc Pump". May 8, 1980.
- Class. 1. No. 149596. M/s. N. K. Motors of 431, Lamington Road, First Floor, Bombay-400004, Maharashtra, a sole proprietary concern. "Balance Rods being parts of motorland vehicles". June 2, 1980.
- Class. 1. No. 149620. Dalip Singh trading as Chawla Electrical Industries of B-3/24, Model Town, Delhi-110009. "Electrical Immersion Rod". June 18, 1980.
- Class. 1. No. 149670. Shiam Toys of 810-Joshi Road, Karol Bagh, New Delhi-110005, an Indian sole proprietary concern. "Toy". July 7, 1980.
- Class. 1. No. 149671. Minimax Enterprises of 5, Divya Darshan, 5, Vallabh Nagar Society, 5th floor Juhu Scheme, Vile Parle (West), Bombay-400056, Maharashtra, an Indian Partnership Firm. "Ash Tray". July 8, 1980.
- Class. 1. No. 149678. Siddheswar Banerjee, Indian, 23A, Mahadeb Banerjee Road, Calcutta-700037, West Bengal, India. "Steering Locking device for automobiles and the like". July 8, 1980.
- Class. 1. No. 149686. Vinod Ambalal Bulsara, an Indian of C/o. Kingsway Industries, Boyce Compound, M. G. Road, Lonavala, Maharashtra, India. "Hook-and Eye". July 8, 1980.
- Class. 1. No. 149760. Prabhat Traders of 3602, Bansal Market, Hauz Quazi, Delhi-110006, an Indian Partnership Concern. "Locking Bolt". July 31, 1980.
- Class. 3. No. 149393. Frederick Michael D'Souza, Indian National of Frederick House, 3-Y.M.C.A. Road, Bombay-400008, Maharashtra, India. "Bottle". March 20, 1980.
- Class. 3. No. 149428. R. K. Industries, Indian Partnership Concern, 186/2, Cinema Road, Hardoi-241001, Uttar Pradesh, India, "Educational toy". April 9, 1980.
- Class. 3. No. 149437. Kanetsu Kogyo Kabushiki Kaisha, a Japanese Company of 1111, Oaza Uedahata, Ueda-shi, Nagano-ken, Japan. "A knob for clamp". April 10, 1980.
- Class. 3. No. 149444. Edna Brush Industries, C-106/1, Naraina Industrial Area, Phase-I, New Delhi-110028, India. An Indian Partnership Concern. "Tooth Brush". April 11, 1980.
- Class. 3. No. 149511. D. C. Dhole (an Indian National) trading as Exmore Industries, 1E/9, Jhandewalan Extension, New Delhi, India. "Container". May 3, 1980.
- Class. 3. No. 149543. Arihant Enterprises, a proprietary firm of 43-D, Chunabhathi Lane, Pydhownie, Bombay-400003, Maharashtra, India. "Foot Mat". May 14, 1980.
- Class. 3. No. 149551. M/s. Nav Rang Radio Company, 199, Chandni Chowk Market, Calcutta-700072. "Record Player". May 20, 1980.
- Class. 3. No. 149578. Rotring-Werke Riepe KG of Kieler Str. 301-303, 2000 Hamburg 54, Federal Republic of Germany, a German Limited Partnership. "Stand for Writing Instruments". May 28, 1980.
- Class. 3. No. 149615. Nirman Industries, 8797/3, Multani Dhanda, New Delhi-110025, an Indian Partnership concern. "Cable Lock". June 17, 1980.
- Class. 3. No. 149695. Larsen & Toubro Limited of L&T House, Ballard Estate, Bombay-400038, Maharashtra, India, an Indian Company. "A Single Pole Breaker Terminal Shroud". July 10, 1980.
- Class. 3. No. 149701. Larsen & Toubro Limited of L&T House, Ballard Estate, Bombay-400038, Maharashtra, India, an Indian Company. "a handle". July 11, 1980.
- Class. 3. No. 149726. Paros Electronic (P) Ltd. of 5, Community Centre, Naraina Industrial Area, New Delhi-110028, an Indian Private Limited Company. "Cassette Recorder-cum-Radio". July 21, 1980.
- Class. 3. No. 149727. M/s. Paros Electronics (P) Ltd., of 5, Community Centre, Naraina Industrial Area, New Delhi-110028, an Indian Private Limited Company. "Car Radio Model As-111". July 21, 1980.
- Class. 3. No. 149921. Arora Plastics Private Limited of Deonar, Govandi Station Road, Bombay-400088, Maharashtra, India, "Toy". September 15, 1980.
- Class. 10. No. 149773. Industrial & Commercial Traders of Swastik Industries Compound, Ram Baug, Swami Vivekanand Road, Malad (West), Bombay-400064, Maharashtra, an Indian Partnership Firm. "Footwear". August 8, 1980.

## EXTENSION OF COPYRIGHT FOR THE SECOND PERIOD OF FIVE YEARS

No. 143050—Class. 1.

Nos. 143188 and 143409—Class. 3.

No. 142702—Class. 4.

## EXTENSION OF COPYRIGHT FOR THE THIRD PERIOD OF FIVE YEARS

Nos. 137499 and 143409—Class 3.

Nos. 137828, 137989, 137990, 138019 and 138181—Class. 12.

S. VEDARAMAN

Controller-General of Patents, Designs and Trade Marks.

